रजिस्ट्री सं० डी०—(डीएन)—128/89 REGISTERED NO. D-(DN)--128/89

भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 30] नई दिल्ली, शनिवार, जुलाई 29, 1989 (श्रावण 7, 1911)
No. 30] NEW DELHI, SATURDAY, JULY 29, 1989 (SRAVANA 7, 1911)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
Separate paging is given to this Part in order that it may be filed as a separate compilation

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिज़ाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 29th July 1989

ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Patent Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch, Todi Estates,
3rd Floor, Lower Parel (West),
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The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,
Unit No. 401 to 405, 3rd Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

Patent Office Branch,
61, Wallajah Road,
Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamil-Branch Patent Offices at Bombay, Delhi and Madras haivng territorial jurisdiction on a zonal basis as shown below :—

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutat-700 220.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एतस्मै तथा अभिकल्प

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

कलकत्ता, दिनांक 15 जुलाई 1989

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार नीचे के आधार पर निम्न रूप में प्रदर्शित हैं:—

पेटेंट कार्यालय शाखा, टोडी इस्टेट
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई—400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एनेक्स सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली—110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—"पेटेंटोफिस"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास—600002।

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु, राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकॉय तथा एमिनिदिवि द्वीप

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 4, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता—700020।

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जायेंगे।

शुल्क—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

THE PATENT OFFICE
PATENTS & DESIGNS

CORRIGENDUM

In the Gazette of India, Part-III, Section-2, dated the 1st July, 1989 under the heading "NO PATENTS", *delete* 149055.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

Calcutta, the 29th July 1989

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 20th June 1989

472/Cal/89. Hoechst Aktiengesellschaft. Imidoperoxycarboxylic acids. Processes for their preparation and their use.

473/Cal/89. Metallgesellschaft Aktiengesellschaft. Use of highly particulate, precipitated barium sulfate in film-forming coating compositions.

474/Cal/89. Metallgesellschaft Aktiengesellschaft. Tumbling apparatus.

The 21st June 1989

475/Cal/89. Ram Prakash Aneja and National Dairy Development Board. A method for the extraction of annatto containing the pigment bix in from the seeds of bixa orellana using edible refined oils.

476/Cal/89. Ram Prakash Aneja and National dairy Development Board. A method of manufacturing lassi.

477/Cal/89. Mechanikai Laboratorium Hiradastechnikai Kiserleti Vallalat, Method and circuit arrangement for increasing the tuning rate of frequency synthesizers.

The 22nd June 1989

478/Cal/89. Siemens Aktiengesellschaft. Onco-through steam generator.

479/Cal/89. E.I. Du Font De Nemours and Company. Catalyzed hydrogluorination of halogenated alkanes.

480/Cal/89. E.I. Du Pont De Nemours and Company. Catalyzed hydrofluorination process.

The 23rd June 1989

481/Cal/89. Pretti Mathur. An improved alarm system for fire or smoke.

482/Cal/89. Westinghouse Eelectric Corporation. Improvements in or relating to waste disposal system.

483/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to circuit breaker auxiliary switch assembly.

484/Cal/89 Opti Patent-,Forschungs-Und Fabrikations-Ag., A device for forming a predetermined number of slide fasteners into a bundle.

485/Cal/89. Opti Patent-, Forschungs-Und Fabrikations-Ag. A plant for the production of discrete slide fasteners from a long continuous strip thereof.

486/Cal/89. E.I. Du Pont De Nemours and Company. Gas-phase hydrofluorination process.

487/Cal/89. Bohler Gesellschaft m.b.H. Compound steel work piece or machine component.

488/Cal/89. Ardel International S.A. A method for making watertight, mechanically strong and chemically resistant a drainage pipe or, more generally, a pipe of an existing system which has deteriorated due to various phenomena.

The 26th June 1989

489/Cal/89. Preeti Mathur. An improved detector for heat and fire.

490/Cal/89. Aluminium Pechiney. Process for the purification of gallium by partial solidification.

491/Cal/89. Ngk Insulators, Ltd. Optical fiber-containing insulators and producing process thereof.

492/Cal/89. Abulkalam M. Shamsuddin. Reduction of cell proliferation and enhancement of nk-cell activity.

493/Cal/89. Wolfgang Priesemuth. Arrangement of work locations.

494/Cal/89. Kelsey-Hayes Company. Hydraulic disc brake with drum in hat parking brake.

495/Cal/89. Banshi Dhar Polleya. An improved 2-legged flyer.

496/Cal/89. Voest-Alpine Stahl Donawitz Gesellschaft m.b.H. Process for heating steel melts as well as device for performing this process.

497/Cal/89. Goizper, S. Coop. LTDA. Improvements introduced in speed reducers and/or multipliers.

498/Cal/89. Matharoo Singh Engineering Co. (P) Ltd. Positive displacement screw pump.

The 27th June 1989

499/Cal/89. Jatindra Nath Biswas. An invention for a device for tapping energy from water current and controlling of erosion.

500/Cal/89. Foster Wheeler Energy Corporation. Method for controlling the particulate size distributors of the solids inventory in a circulating fluidized bed reactor.

501/Cal/89. E.I. Du Pont De Nemours and Company. Method and apparatus for producing para-aramid pulp and pulp produced thereby.

502/Cal/89. Hitachi Ltd. Abnormally diagnosing system and method for a high voltage power apparatus.

The 28th June 1989

503/Cal/89. Hitachi Construction Machinery Co. Ltd. Hydraulic drive system.

504/Cal/89. Combustion Engineering Inc. Control systems for exercising control over an Industrial process. [Divisional date January 30, 1987].

505/Cal/89. Oy Sekko Ab. Flash barrier operating through a wire insulator.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

The 5th June 1989

488/Del/89. Professional Electronic Products, "An improved device for measurement of alignment of *railway tracks*".

489/Del/89. Dinesh Kumar Garg and others. "A method for producing 'Kidstone' from the silken style of zea maize linn useful in the treatment of renal and urinary calculi of human beings".

490/Del/89. Sant Prasad Paul, "A pulveriser".

491/Del/89. Sant Prasad Paul, "A pulveriser".

492/Del/89. Scapa Group Plc, "Coated textile materials". (Convention date 4th June, 1988) (U.K.).

493/Del/89. Alsthom, "A control and data processing apparatus".

The 6th June 1989

494/Del/89. Jean-Edouard Clotteau & others, "Disposable syringe".

The 7th June 1989

495/Del/89. Shanker Prasad Mishra & Others, "Remote-controlled tap".

496/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of carbon dioxide and hydrogen using carbon monoxide and water". [Divisional date 7th June, 1989].

497/Del/89. Council of Scientific & Industrial Research, "A process for making unglazed ceramic tiles from pyrophyllite".

498/Del/89. Council of Scientific & Industrial Research, "An improved process for the manufacture of cement".

499/Del/89. National Council for Cement and Building Material, "A process for the preparation of a cladded fibre reinforced concrete beam". [Divisional date 24th February, 1986].

The 8th June 1989

500/Del/89. Council of Scientific & Industrial Research, "An improved process for the preparation of aluminium based alloy anodes for use in the alkaline aluminium air cell".

501/Del/89. Mitsui Toatsu Chemicals, Inc., "Hard transparent resins and process for the production thereof".

502/Del/89. Mitsui Toatsu Chemicals, Inc., "Polyfunctional monomers and process for production thereof".

The 9th June 1989

503/Del/89. Yogesh Manocha, "Improved stupney lock".

504/Del/89. Yoshie Kurihara & Other, "Protein curuculin and application of the same".

505/Del/89. Motorola, Inc., "Communications system with tandem scrambling device".

506/Del89. Imperial Chemical Industries PLC., "Coating process and composition". (Convention date 6-7-88 & 17-3-89) (U.K.).

The 12th June 1989

507/Del/89. Scientific Design Co., Inc.. 'Catalyst for the oxidation of ethylene to ethylene oxide".

508/Del/89. BP Chemicals Ltd., "Process and apparatus for the gasphase polymerisation of olefins in a fluidised-bed reactor".

509/Del/89. The Lubrizol Corporation, "A method of preparing an oil-soluble, basic alkali metal salt of a sulfonic acid". [Divisional date 9th September, 1986].

The 13th June 1989

510/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of (S)-1-Tert Butyldimethylsilyl-4- [2-Hydroxyisopropyl] azetidin-2-one".

311/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of (S)-1-Tert Butyldimethylsilyl-4- [2-Hydroxisopropyl] azetidin-

512/Del/89. Council of Scientific & Industrial Research, "A process for the preparation of (S)-1-Tert Butyldimethylsilyl-4- [(R)-1-methyl-2-hydroxyethyl] azetidin-2--one".

513/Del/89. Alcan International Ltd., "Treatment of molten light metals". (Convention date 14th June, 1988) (Canada).

The 14th June 1989

514/Del/89. De La Rue Giori S.A., "Combined sheet-fed rotary printing machine for securities, especially banknotes".

515/Del/89. Wisconsin Alumni Research Foundation, "Process for the preparation of an optically active sulfone derivative'.

516/Del/89. West & Sons (Engineering) Ltd., "Annular seal". (Convention date 15th June, 1988) (U.K.).

517/Del/89. Georges Bazante and Faysal Absi, "Surface treatment method and apparatus for coating micronized mineral particles with faty acids".

518/Del/89. Wisconsin Alumni Research Foundation, "Novel alpha-hydroxyvitamin D_2 epimer and derivatives".

The 15th June 1989

519/Del/89. The Lubrizol Corporation, "A fuel composition and a method for obtaining a storage stable fuel composition". [Divisional date 8th September, 1986].

520/Del/89. Unisearch Ltd, "Solar cell with overhanging dielectrics and method for making same". (Convention date 17-6-88) (Australia).

The 16th June 1989

521/Del/89. International Business Machines Corporation,, "Assembly of electronic components". (Convention date 20th June, 1988) (U.K.).

522/Del/89. International Business Machines Corporation, "Assembly of electronic components with cable connector". (Convention date 20th June, 1988) (U.K).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 5th June 1989

437/Mas/89. The Dow Chemical Company. Manufacture of non-whiteware ceramic articles.

438/Mas/89. Caterpillar Inc. Control Mechanism for Operating Vehicle. (7th November 1988) (Canada).

439/Mas/89. Caterpillar Inc. Control Mechanism for applying a brake and neutralizing a transmission of a vehicle. (7-11-89; Canada).

The 6th June 1989

440/Mas/89. Lakshminarayanapuram Gopala Iyer Vaidyanathan. Preparation of water soluble salicylic acid-formaldehyde condensation products.

441/Mas/89. Kabushiki Kaisha Toshiba. Method and apparatus for video signal transmission.

442/Mas/89. Jen-Fu Chen. A synchronous yarn feeding Device.

443/Mas/89. Aerospatiale Societe Nationale Industrielle. Fire protection material.

444/Mas/89. Institut Francais Du Petrole. A device and method for inttroducing a carburetted mixture under pressure into the cylinder of an engine.

The 7th June 1989

445/Mas/89. Govindasamy Somasundaram Pillai. An agricultural implement used for sowing seeds.

446/Mas/89. Sreedharan Nair Sasikumar. Rain Guarding Device.

447/Mas/89. Dorchester Enterprises Ltd. An Exhaust Silencer.

448/Mas/89. Technisearch Limited. Apparatus for reducing aerodynamic drag on vehicles. (8th June 1988; Australia).

The 8th June 1989

449/Mas/89. Dorchester Enterprises Ltd. An exhaust silencer and a method of manufacturing it.

450/Mas/89. Separation Dynamics. Fluid Decontamination System.

451/Mas/89. John Leslie Williams. Ophthalmic Device. (9th June 1988; United Kingdom).

The 9th June 1989

452/Mas/89. M. J. Joseph. Rain guard for rubber plantation.

453/Mas/89. Compagnie Generale Des Etablissements Michelin-Michelin & Cie. Methods and Devices for obtaining a Homogeneous Austenite structure.

454/Mas/89. The Board of Governors of Wayne State University. Method and Compositions providing enhanced chemiluminescence from 1, 2-Dioxetanes.

The 12th June 1989

455/Mas/89. Siddaiah Sudarshan. Disposable injection system with drug.

456/Mas/89. Aluminium Pechiney. Process for continuously enamelling wires of aluminium alloy which are intended for the production of electrical coils.

457/Mas/89. Atochem Composition suitable for the stabilization of hydrogen peroxide.

The 13th June 1989

458/Mas/89. K. A. Ranghachary. Air driven engined cycle rickshaw.

459/Mas/89. K. A. Ranghachary. Air driven emergency automatic electric generator.

460/Mas/89. Institut Francais Du Petrole. Burner for the manufacture of synthetic gas comprising a solid element with holes.

461/Mas/89. Institut Francais Du Petrole. A novel flexible pipe structure.

462/Mas/89. V M E I "Lenine". Linear Bearing.

463/Mas/89. Henkel Kommanditgesellschaft auf Aktien. A device for sealing a container comprising a dispensing tip, more especially an adhesive container.

The 14th June 1989

464/Mas/89. Naisin Lee. Distillation apparatus and method.

465/Mas/89. Sturm, Ruger & Company, Inc. Reinforced slide configuration for automatic pistol.

466/Mas/89. The United States of America. Catalysts and processes for formaldehyde-free durable press finishing of cotton textiles with polycarboxylic acids.

467/Mas/89. Tanning Technologies Pty. Ltd. and Australian Meat & Live-stock Research & Development Corporation. Treatment of skins and hides. (June 15, 1988; Australia).

The 15th June 1989

468/Mas/89. K. A. Joy. Hand piston pump.

469/Mas/89. Lucas Industries Public Limited Company. (June 17, 1988; Great Britain).

470/Mas/89. Minnesota Mining and Manufacturing Company. Solderless electrical connector.

471/Mas/89. The Dow Chemical Company. Process for preparing an aminomethylphosphonic chelating resin. (June 16, 1988; United Kingdom).

The 16th June 1989

472/Mas/89. Gersan Establishment. Determining Misorientation in a crystal. (June 16; 1988; United Kingdom).

473/Mas/89. Shell Internationale Research Maatschappij B.V. Process for the preparation of zeolitic catalysts. (June 20, 1988; Great Britain).

474/Mas/89. Polysar Financial Services S.A. Styrenic polycarbonate alloys.

APPLICATIONS FOR PATENTS FILED IN THE PATENTS OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 6th June 1989

144/Bom/89. Thermax Pvt. Ltd. An improved water level indicator for boilers.

145/Bom/89. Prav Electrospark Pvt. Ltd. A D.C. Brushless motor fan.

The 7th June 1989

146/Bom/89. Hindustan Antibiotics Limited. A process for the production of 7-aminodesacetoxycephalosporanic acid.

147/Bom/89. Barmag AG. Method and apparatus for processing a textured yarn.

148/Bom/89. Hindustan Lever Ltd. Thickening System. (8th June 88, Great Britain).

The 8th June 1989

149/Bom/89. Hindustan Lever Ltd. Detergent compositions and process for preparing them.

150/Bom/89. Harikishan Manilal Bhavsar. The evidence of the vision atoms.

The 9th June 1989

151/Bom/89. Dr. Tridib Kumar Goswami & Naveen Kumar Seth. A device for maintaining heat labile frozen articles in the frozen condition.

152/Bom/89. Dr. Tridib Kumar Goswami & Naveen Kumar Seth. A device for self-pressurising and discharging a refrigerant.

153/Bom/89. Govind Sadashiv Bapat. Controlevel.

154/Bom/89. Govind Sadashiv Bapat. Waxolite.

155/Bom/89. Hindustan Lever Ltd. Process for the preparation of alkyl glycosides.

PATENTS SEALED

161194 161983 163215 163534 163571 163744 163749
163826 163836 163839 163840 163841 163843 163844
163845 163846 163848 163850 163852 163853 163854
163855 163856 163857 163858 163860 163861 163865
163866 163867.

CAL — 11
MAS — 9
DEL — 10
BOM — NIL.

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Kumar Balaram Bhatia C/o M/s Blue Steel Engineers Pvt. Ltd., D-2, MIDC, Andheri (East), Bombay-400 093, Maharashtra, India, have made an application under section 57 of the Patents Act, 1970 for the change of address for service of the applicant in the application/complete specification for Patent No. 164238 (358/Bom/1985) for "DEEP DRAWING TESTER FOR SHEET METAL WITH HYDRAULIC SYSTEM". The application for amendments and the proposed amendments can be inspected free of charge at the Patent Office Branch, Todi Estates, 3rd Floor, Sun Mill Compound, Lower Parel (West), Bombay-400 013, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file the notice of opposition on the prescribed Form 30 alongwith full written statement within three months from the date of this notification at the Patent Office Branch, Bombay.

If the full written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice of opposition.

AMENDMENT PROCEEDING UNDER SECTION 57 OF THE PATENTS ACT, 1970

Notice is hereby given that British Steel Corporation, a British Corporation, 9 Albert Embankment, London, SE1 75N, England, have made an application under Section 57 of the Patents Act, 1970 for amendment of the Application, Specification and Drawing of their Patent Application No. 164028 for "IMPROVEMENTS IN OR RELATING TO THE PRODUCTION AND/OR REFINING OF METAL". The amendments by way of correction, the application for amendment and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600002, or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file the notice of opposition on prescribed Form 30 within three months from the date of notification at the Patent Office, Madras.

If the full written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing of the said Notice.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 153265 granted to Umang Kejriwal for an invention relating to "a process for producing improved grinding media".

The patent ceased on the 14th April 1988 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated the 20-5-89.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32, in duplicate, with the Controller of Patents, The Patent Office, "Nizam Palace", 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 on or before the 29th September, 1989 under Rule 69 of the Patents Rules, 1972. A written statement, in triplicate, setting out the nature of the opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 158758 dated the 1st December 1984 made by Precision Moulding Private Limited on the 29-7-88 and notified in the Gazette of India, Part III, Section 2 dated the 29-7-88 has been allowed and the said patent restored.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 156416 dated the 23rd June 1976 made by Kandiah Tharma Nayagam on the 9th March 1987 and notified in the Gazette of India, Part III, Section 2 dated the 20-6-87 has been allowed and the said patent restored.

RENEWAL FEES PAID

144505 144673 145101 145163 145310 145347 145373
145616 145758 145774 145873 145889 145948 145993
146049 146068 146133 146205 146360 146480 146561
146804 146848 147271 147470 147688 147865 148037
148152 148208 148311 148519 148522 148695 148713
148753 148839 149253 149349 149417 149653 149676
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151140 151152 151193 151194 151340 151341 151346
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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो के भीतर कभी भी नियंत्रक, एतस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 30 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।"

नीचे सूची गत विनिर्देशों की सीमित संख्यक में मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का मूल्य 2/- रु० है। (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हो; के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार (उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का प्रभार 4/-रु० है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

CLASS : 165001

Int. Cl. : C 10 b 41/08.

PLANT FOR CLEANING DEPOSITS FROM THE GAS SIDE OF VERTICAL TYPE PRIMARY GAS COOLER FOR COKE OVEN GAS.

Applicant : METALLURGICAL & ENGINEERING CONSULTANTS (INDIA) LIMITED, AT DORANDA, RANCHI-834002, BIHAR, INDIA.

Inventors : (1) N. M. MANCHANDA, (2) S. P. CHATHLEY, (3) PRAVEEN KUMAR, (4) P. D. DIDWANIA, (5) G. GOKULNATH.

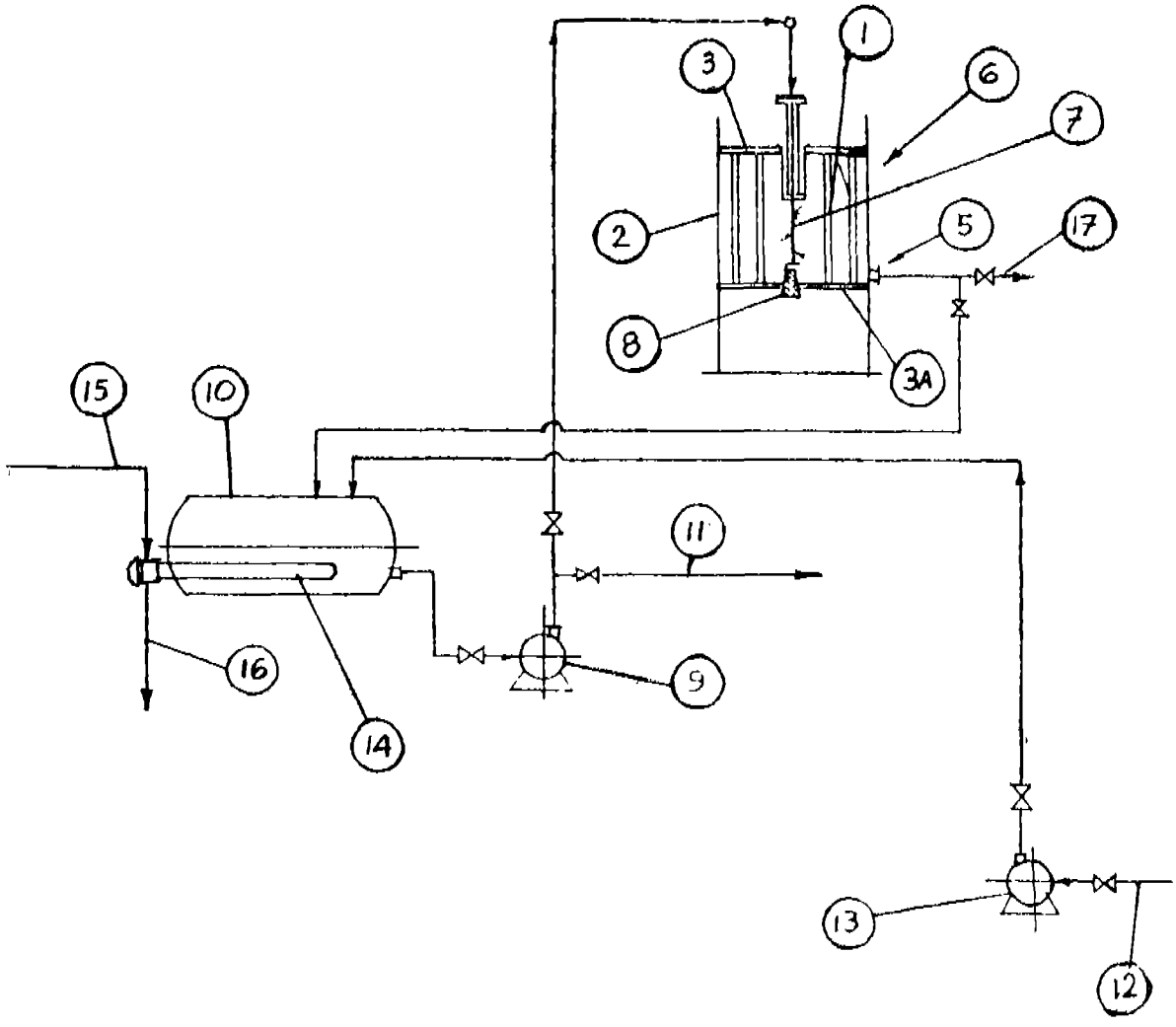
Application No. 462/Cal/86 filed June 20, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A plant for cleaning deposits from the gas side of vertical type primary gas cooler for coke oven gas, wherein the said gas coolar has a number of coolar tubes for flow of cooling water therethrough and which cooler tubes are housed within a shell/housing, and which gas cooler is characterised in that a number of its cooler tubes are replaced by a plurality of pipes with top ends and closed bottom ends and having perforations throughout its length said plant comprising a source for a liquid, such as herein described, having high solubility for the deposits, means for feeding the said liquid in hot state from the said source under pressure and high velocity through the said top

ends of the pipes, disposed in the gas cooler, and means for recirculating the liquid containing the dissoved deposits taken out from the bottom of the cooler through the gas condensate outlet of the cooler, to the said source.



Compl. specn. 10 pages Drg. 5 sheets.

Int. Cl. : F 03 b 3/00 165002

MOUNTING ARRANGEMENT FOR TURBOMACHINE, ESPECIALLY STEAM TURBINES.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELBACHERPLATZ 2, D-8000 MUNCHEN 2, WEST GERMANY.

Inventors : (1) AXEL REMBERG, (2) DETLEF HAASE.

Application No. 467/Cal/86 filed June 24, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

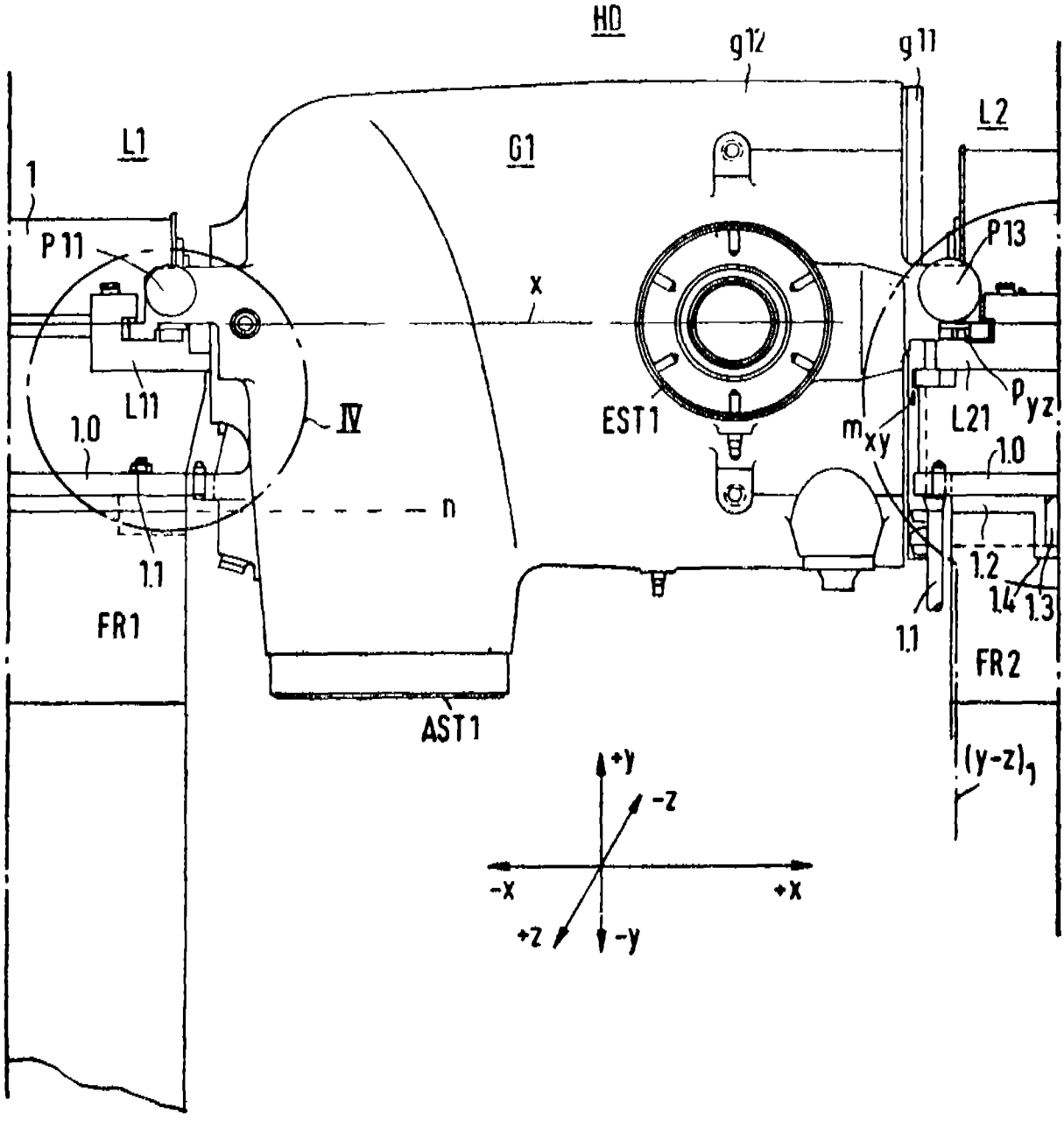
12 Claims

Mounting arrangement for turbomachines, especially steam turbines having a plurality of coaxially juxtaposed turbine stages with shafts rigidly coupled to one another to form a shaft line, the turbine stages having turbine mounts including turbine shaft mounts and turbine housing mounts, the turbine mounts having respective mount housings mounted on foundation locks between the turbine stages and at the ends of the shaft line, the turbine stages having housings mounted at the ends thereof by means of support lugs symmetrically on both sides of the shaft so as to be axially and radially-centrically thermally movable as well as adjustable in x, y and z direction in horizontal axial planes, and by means of axial centering guiding means in vertical axial planes, on and along the mount housings, respectively, or other foundation parts, the support lugs having support and guide surfaces and the axial centering means having guide surfaces extending in horizontal axial planes (x–z) and in vertical planes oriented plane-parallel to the vertical axial plane (x–y) and, for defining axial fixed points of thermal expansion of the housings, in planes (y–z) normal to the axis, respectively, the direction x being the axial shaft direction, z the horizontal direction transverse to the axis, and y the vertical coordinate running perpendicularly to the x–z plane, comprising respective step-shaped projections formed on the support lugs of the turbine stage housings and jutting axially outwardly and with a step-shaped upwardly offset setback axially inwardly adjacent said projections while forming a horizontal bottom

surface serving as a support and guide surface; the respective mount housing having support flanges gripping under the support lugs at both sides of the shaft in accordance with the position of the support lugs, said support flanges having a depression for accommodating therein said stepshaped projection and having a stepshaped raised rim axially adjacent said stepshaped projection for engaging in said setback of said support lug; mutual engagement of said projection in said depression, and said raised rim in said setback providing clearance sufficient to form laterally accessible gaps; adjustment and slide shims insertable in the gap between a roof surface of said raised rim and a bottom surface of said setback for the purpose of slidable height positioning, said shims being securable in position thereof; said support lugs being secured against lifting forces and moments in a set height position by means of locks detachably fastened to a cover surface of said support flanges and engaging the stepshaped projections of the support lugs by means of lock projections having contact surfaces which are adjustable in height.

FIG 1A | FIG 1B

FIG 1



Compl. specn. 33 pages Drg. 1 sheets

Int. Cl. : C 01 b 3/00 165003

A DEVICE FOR THE CONNECTIVE REFORMING OF A FEED MIXTURE OF HYDROCARBONS AND STEAM INTO A HYDROGEN RICH GAS.

Applicant : STONE & WEBSTER ENGINEERING CORPORATION, 245 SUMMER STREET, BOSTON, MASSACHUSETTS 02107, UNITED STATES OF AMERICA.

Inventors : (1) MAXIM KARAFIAN, (2) IRVING C. TSANG.

Application No. 485/Cal/86 filed June 26, 1986.

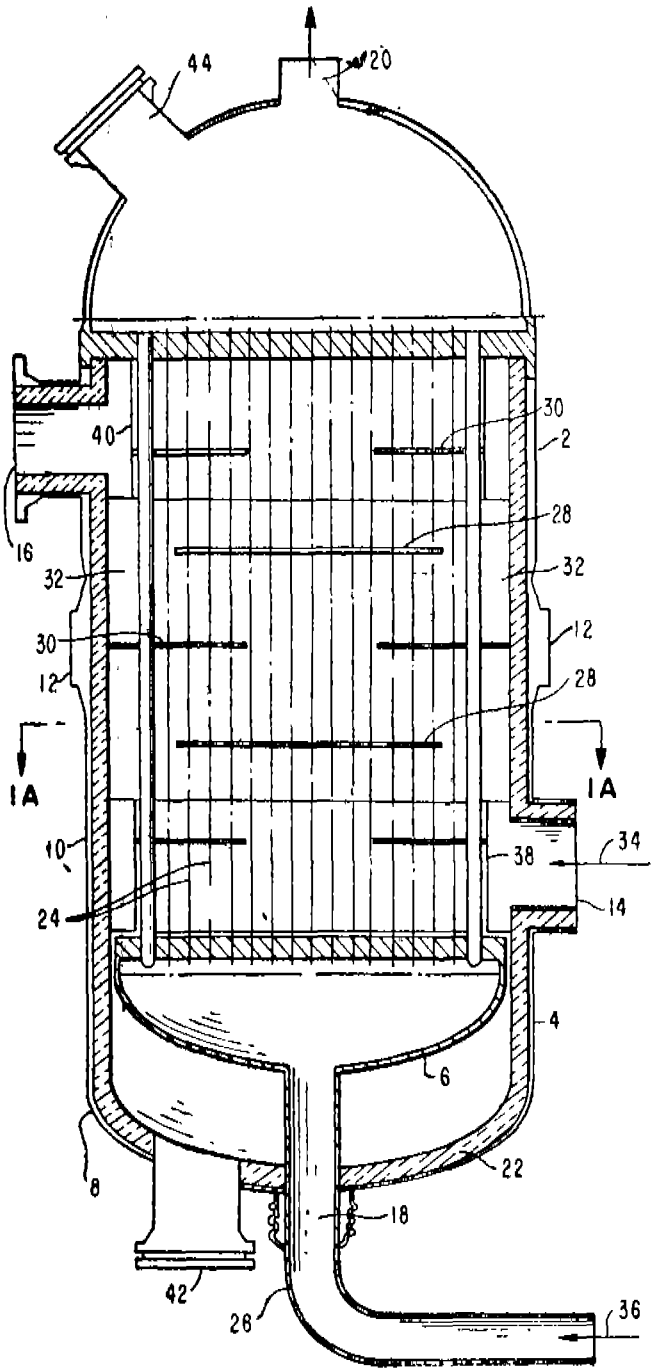
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

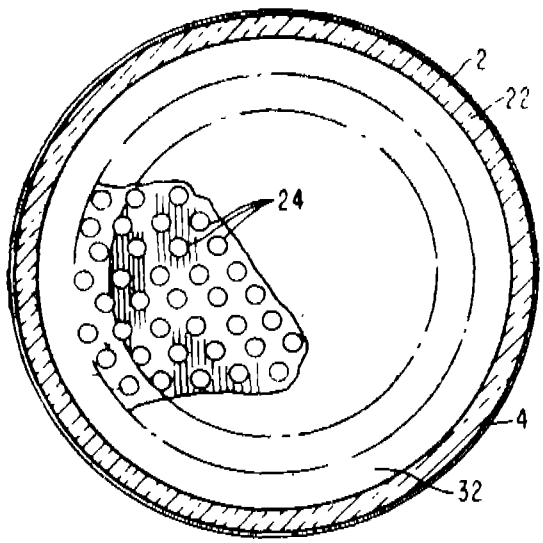
8 Claims

A device for the convective reforming of a feed mixture of hydrocarbons and steam into a hydrogen-rich gas, which comprises :

(1) an outer shell enclosure comprising (i) two end portions, (ii) a cylindrical main body portion, and (iii) separate inlet and outlet conduit means for the conveyance of a heating fluid each of which includes perforated distribution plate means for delivering the heating fluid substantially uniformly to and from

(2) a core assembly within the outer shell enclosure which comprises (i) separate inlet and outlet conduit means at opposite ends for the flow-through of the feed mixture of hydrocarbons and steam, the inlet and outlet conduit means extending through outer shell enclosure (i) to the outside, and (ii) a multiplicity of tubular conduits open to the path of feed mixture flow, the conduits being adapted to contain a particulate solid catalyst for contacting with the feed mixture, wherein outer enclosure (1) and core assembly (2) are separated by a passageway for the heating fluid which is in open communication with the heating fluid inlet and outlet means of outer shall enclosure (1), the passageway surrounding tubular conduits (ii) of core assembly (2).





Compl. specn. 18 pages Drg. 4 sheets.

CLASS : 128-A 165004

Int. Cl. : A 61 f 13/18, 13/20.

PANTY LINER WITH BODY FLUID FLOW RETARDING MEANS.

Applicant : PERSONAL PRODUCTS COMPANY, VAN LIEW AVENUE, MILLTOWN, NEW JERSEY 08850, U.S.A.

Inventors : (1) PATRICIA EILEEN BECKER, (2) KENNETH JOHN MOLEE.

Application No. 494/Cal/86 filed July 02, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

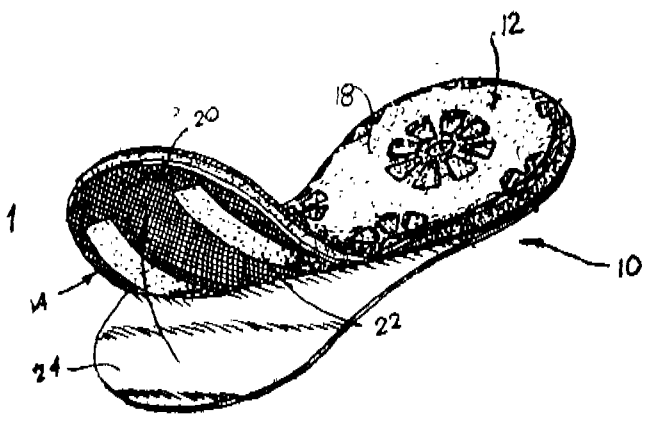
A panty liner for absorbing body fluids comprising :

a body side absorbent layer;

a garment side absorbent layer and having therebetween a liquid flow retarding means for retarding the flow of liquid from passing from said body side absorbent layer to said garment side absorbent layer;

said liquid flow retarding means comprising one or more plies of a web of hydrophobic fibers,

said means having a Rising Column Strike Through Value of at least 10 inches of water and an air permeability of at least 20 ft^3/ft^2-min.



Compl. specn. 22 pages Drg. 2 pages

CLASS : 116-G, 102-D, 133-A & 131-C 165005

Int. Cl. : B 60 t 8/94, 10/00; E 02 f 9/22.

BRAKE CIRCUIT APPARATUS FOR HYDRAULIC MOTOR.

Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD., OF 6-2, OHTEMACHI-2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : (1) HIDEAKI TANAKA, (2) TOICHI HIRATA, (3) GENROKU SUGIYAMA, (4) KUNIAKI YOSHIDA, (5) SHINICHI MIHARA.

Application No. 527/Cal/86 filed July 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

Brake circuit apparatus for a hydraulic motor in a hydraulic circuit system including at least one main hydraulic pump, a hydraulic motor driven by a hydraulic fluid supplied from said main pump and having a rotary shaft, and a directional control valve actuated by operation means for control of flow rate and flow direction of the hydraulic fluid supplied to said hydraulic motor from said main hydraulic pump, said hydraulic motor being provided with mechanical brake means having a brake release cylinder adapted to release the rotary shaft of the motor from the braking by the mechanical brake means by supply of a hydraulic fluid to the brake release chamber, wherein :

said apparatus comprises an auxiliary pump;

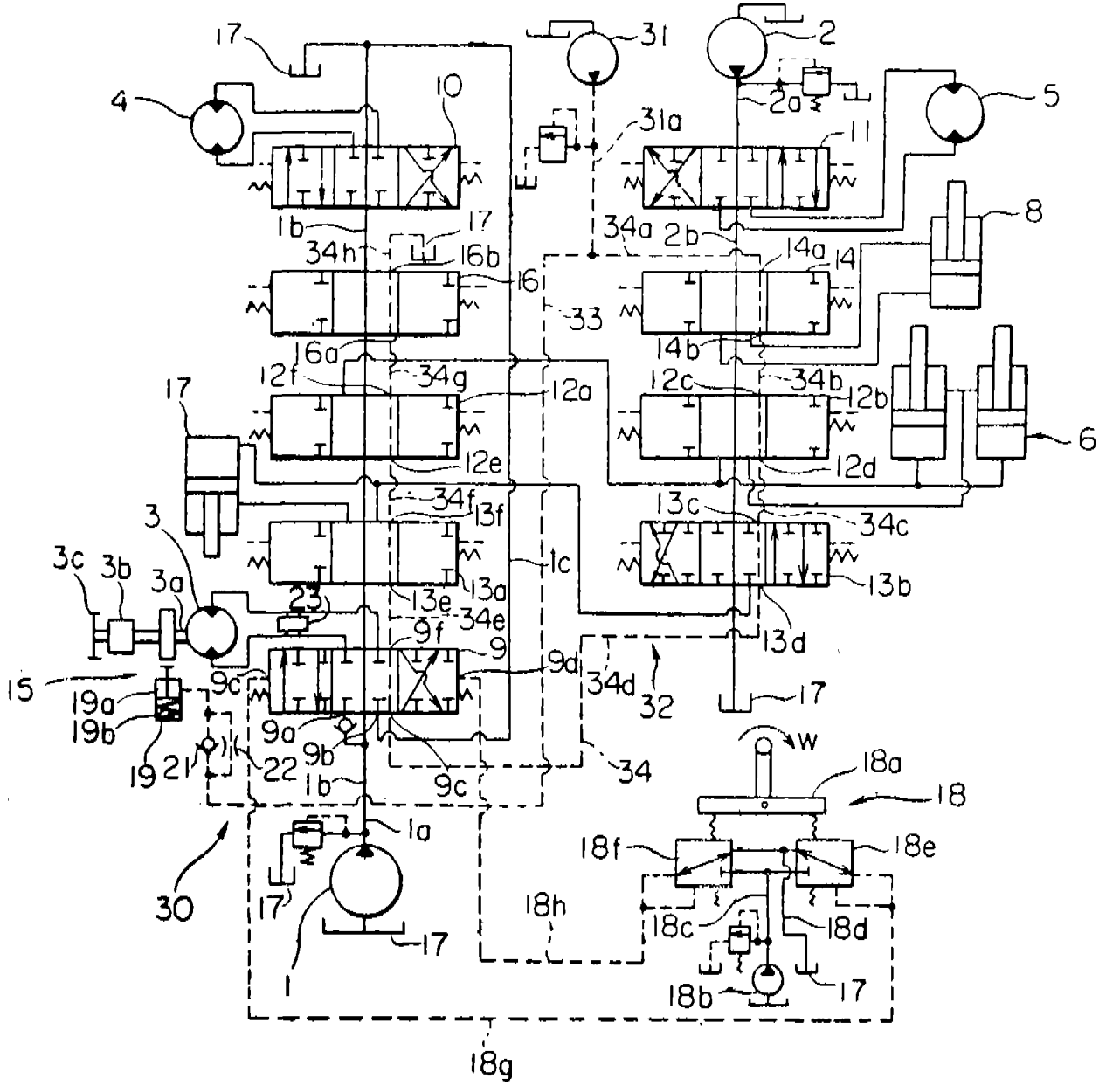
said brake release cylinder and a reservoir for control of fluid communication therebetween;

said control circuit means having a hydraulic fluid supply line for receiving a hydraulic fluid supplied from said auxiliary hydraulic pump;

a first line connected between said hydraulic fluid supply line and said brake release cylinder, and a second line connected between said hydraulic fluid supply line and said reservoir;

said second line being associated with said directional control valve such that when the control valve is in a neutral position;

said hydraulic fluid supply line is brought into communication with said reservoir to thereby disable a hydraulic fluid from said hydraulic fluid supply line from being supplied to said brake release cylinder through said first line, while when scid directional control valve is actuated, said communication is interrupted to thereby enable hydraulic fluid from said hydraulic fluid supply line to be supplied to said brake release cylinder through said first line.



Compl. specn. 40 pages Drg 5 sheets

CLASS : 186-A 165006

Int. Cl. : H 02 j 1/02.

CENTRALIZED CONTROL RECEIVER FOR POWER DISTRIBUTION NETWORKS.

Applicant : BROWN, BOVERI & CIE AKTIENGESELLSCHAFT, KALLSTADTER STRABE 1, D-6800 MANNHEIMKAFERTAL, WEST GERMANY.

Inventors : (1) PROF. DR. HEINZ KRONMULLER, ING. (2) DR. JOACHIM STOCKLE, DIPL.-ING (3) DR. JORG PUHLER, DIPL.-ING.

Application No. 531/Cal/86 filed July 15, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Centralized control receiver for power distribution networks comprising :

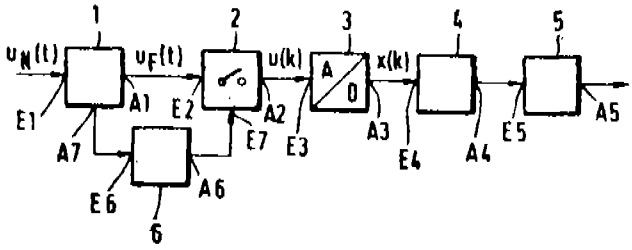
an input section, having prefilter for receiving the input signal for selectively attenuating the network frequency signal level; a sampler connected to the pre-filter for sampling the filtered signal; an analog/digital converter connected to the sampler for digitizing the samples; and a digital filter connected to the analog/digital converter having a band-pass filter

characteristic providing a given attenuation outside the pass band;

an evaluation device connected to the digital filter for decoding the digital filter output signals into control impulses;

an output section; and

wherein said digital filter has a plurality of zero points with infinite attenuation, includes selective attenuating means for selectively highly attenuating the harmonic frequencies of at least one of : the respective network, the control frequencies of adjacent centralized control services and network-specific noise frequency bands.



Compl. specn. 21 pages Drg. 3 sheets

CLASS : 129-Q 165007

Int. Cl. : B 23 k 25/00.

METHOD FOR ELECTROSLAG WELDING OF METALS FOR LARGE WELD AREAS AND OF HEAVY THICK WELD.

Applicant : INSTITUT ELEKTROSVARKI IMEMI E.O. PATONA AKADEMII NAUK UKRAINSKOI SSR, ULITSA BOZHENKO, 11, KIEV, USSR.

Inventors : (1) ANATOLY NIKOLAEVICH SAFONNIKOV, (2) ANATOLY GRIGORIEVICH SINCHUK, (3) ANATOLY VLADIMIROVICH ANTONOV.

Application No. 580/Cal/86 filed July 30, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

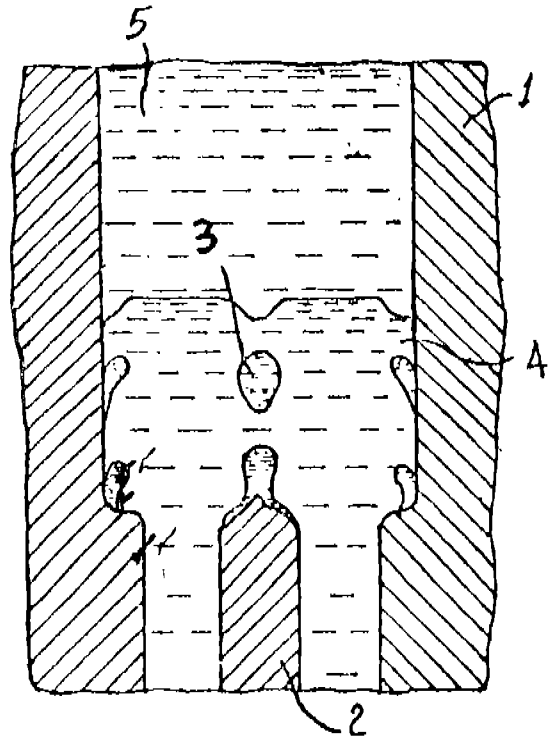
11 Claims

Method of electroslag welding of metals for large weld areas and with a weld thickness of over 30 mm, compris ing the steps of embracing the weld element with the aid of moulding means which comprises :

an inlet pocket (6) consisting cover of a provided with holes (8) for feeding a protective gas, withdrawl plates (9) below, a bottom plate (10) and side moulds (11) placing of the electrode (2) in the gap of the said moulding means in upright position and filling of the moulding means with a welding flax then a welding current is passed inbetween the welding electrode and the inlet pocket whereby high heat is being developed coverting the top flex into slag bath resulting melting of edges of the elements and the electrode;

molten metal drops flowting up in the slag gradually forming a metal bath over the slag bath thereby building up the weld inbetween the elements;

the metal bath being protected from being exposed to the atmosphere by feeding protective gases on its surface.



Compl. specn. 28 pages Drg. 7 sheets

Int. Cl. : A 61 f 1/06; B 29 d 11/00 & G 02 b 3/00. 165008

INTRAOCULAR LENS DEVICE.

Applicant : (1) OTDELENIE VSESOJUZNOGO NAUCHNO-ISSLEDOVATELSKOGO PROEKTNO-KONSTRUKTORSKOGO I TEKHNOLOGICHESKOGO INSTITUTA ISTOCHNIKOV TOKA NAUCHNO-PROIZVODSTVENNOGO OBIEDINENIA "KVANT", OF ASHKHABAD, 14, USSR; (2) TURKMENSKY GOSUDARSTVENNY MEDITSINSKY INSTITUT, OF ASHKHABAD, ULITSA SHAUMYANA, 48, USSR.

Inventors : (1) NARZY NURMAMEDOVICH NURMAMEDOV, (2) VALERY IVANOVICH GONCHAR, (3) BABAMURAD ATAMURADOVICH BAZAROV, (4) ARSLAN NURMUKHAMEDOV, (5) IRINA VASILIEVNA SKRYLNIKOVA, (6) ILYAS ABDULOVICH MUSTAEV, (7) VALERY LEONIDOVICH VARSHAVSKY.

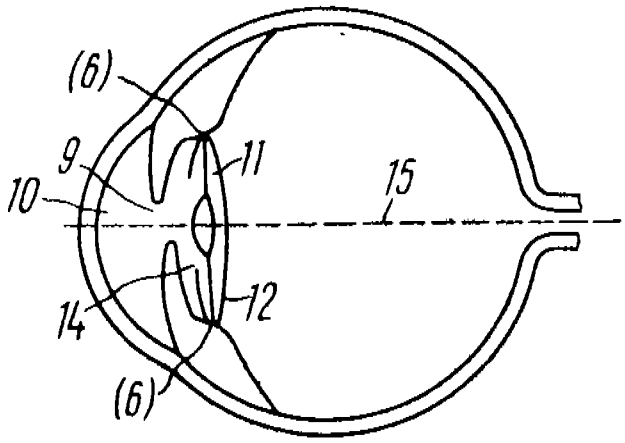
Application No. 606/Cal/86 filed August 08, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

An intraocular lens device comprising an optic lens and radially arranged supporting elements rigidly fixed on said lens and made as rods with bent-out ends which are located in a plane square with the principal optic axis of the lens and part of the bent-out end of each said rod lies on a circle corresponding to the equator of the crystal-

line capsule and said rods being made of material having transformation-induced plasticity in hot and cold states.



Compl. specn. 13 pages Drg. 2 sheets

Int. Cl. : H 02 p 9/00 165009

A VARIABLE FREQUENCY, VARIABLE VOLTAGE MOTOR CONTROL CIRCUIT FOR ENERGIZING AN A.C. INDUCTION MOTOR AND FOR CONTROLLING THE SPEED THEREOF.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, U.S.A.

Inventor : HARRY LOUIS WHEELER.

Application No. 654/Cal/86 filed August 29, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

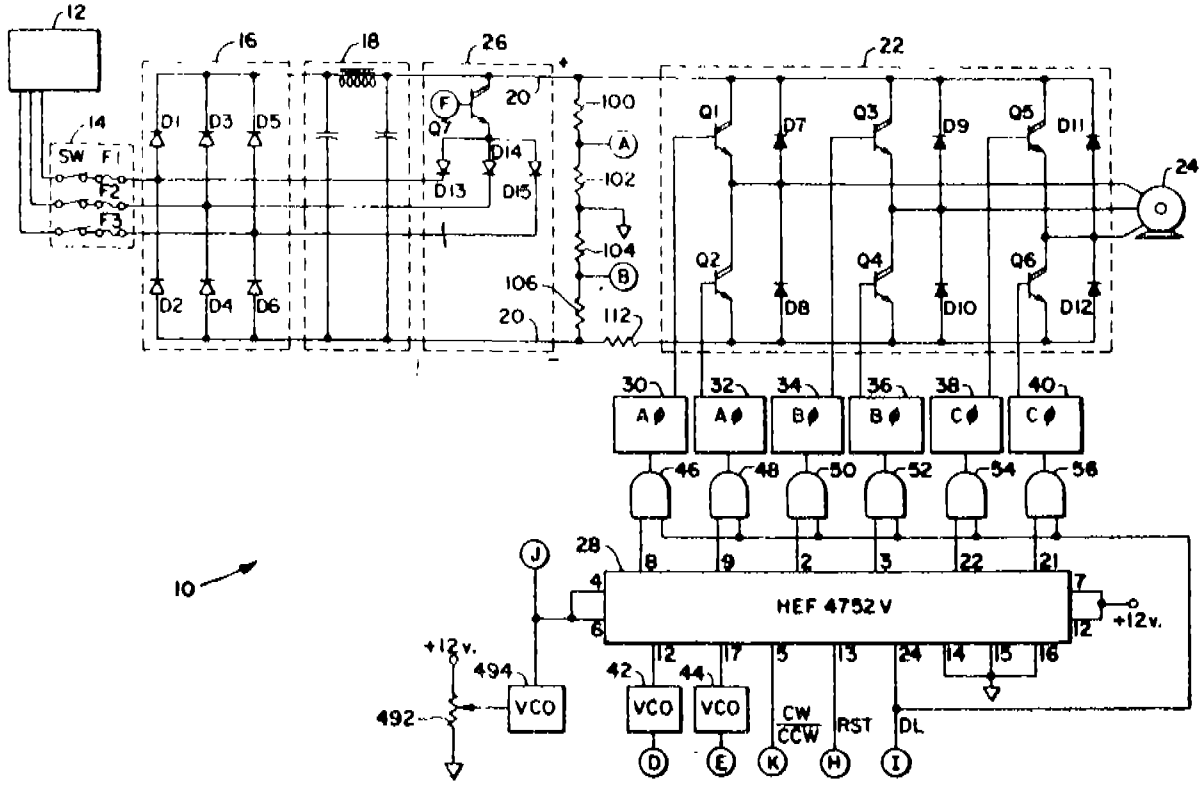
A variable frequency, variable voltage motor control circuit for energizing an A.C. induction motor and for controlling the speed thereof, the A.C. motor having a rotor and having a plurality of stator windings, the control circuit comprising :

rectifier means for receiving an A.C. voltage from an A.C. voltage source and for converting the A.C. voltage to a D.C. voltage;

variable frequency, variable voltage inverter means coupled to the rectifier means operable to convert the D.C. voltage into a voltage and frequency controlled A.C. output voltage which is applied to the .AC. motor;

means for generating a control signal to control the output frequency of said inverter means; and

means cooperating with said frequency control means for generating a control signal to control to the output voltage of the inverter means, said voltage control signal producing a voltage that is proportional to frequency above about 1 Hertz and deviates from being proportional to frequency below about 15 Hertz.



Compl. specn. 51 pages Drg. 2 sheets

CLASS : 165010

Int. Cl. : G 01 f 1/00; 3/00.

IMPROVEMENTS IN OR RELATING TO MICRO-BEND SENSORS.

Applicant : THE BABCOCK & WILCOX COMPANY, RESIDING AT 1010 COMMON STREET, P.O. BOX 60035, NEW ORIEANS, LOUISIANA 70160, U. S. A.

Inventors : (1) EUGENE SKURATOVSKY, (2) JAMES KENNETH KNUDSEN.

Application No. 689/Cal/86 filed September 17, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

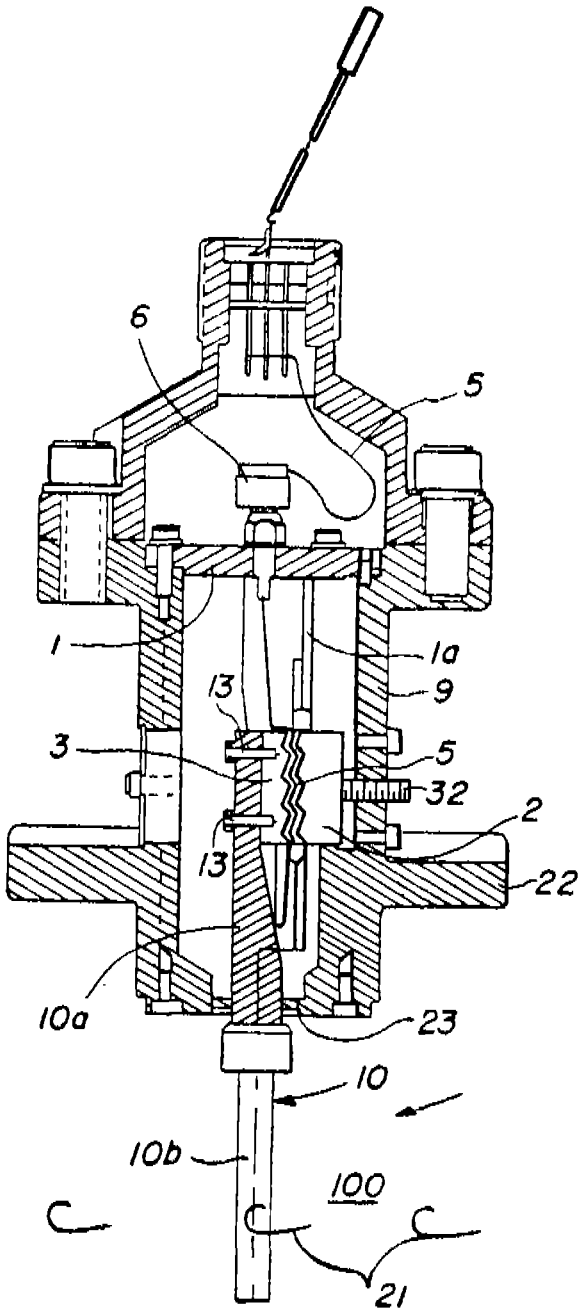
A microbend sensor characterised in that its jaws arrangement comprises :

a pair of jaws each having facing corrugated surfaces for holding an optical fiber therebetween and being movable with respect to each other for bending the optical fiber to modulate light passing through the optical fibre;

each corrugated surface comprising a plurality of flat areas lying in a common plane in a direction perpendicular to the relative movement direction for the jaws; and

a plurality of projections extending in the direction of relative movement of the jaws, said projections alternating with said flat areas, projections of one of said jaws being positioned over flat areas of the other of said jaws to bend the optical fiber therebetween, said jaws being movable together under an overload condition whereby the optical fiber is bent by projections of one jaw against flat areas of the other jaw.

Compl. specn. 12 pages Drg. 3 sheets



CLASS : 48-D. 165011.

Int. Cl. : H 01 b 17/00.

ELECTRICAL INSULATOR COLUMN.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : (1) TIBOR SALANKI, (2) NORBERT HESS.

Application No. 469/Cal/85 filed June 24, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

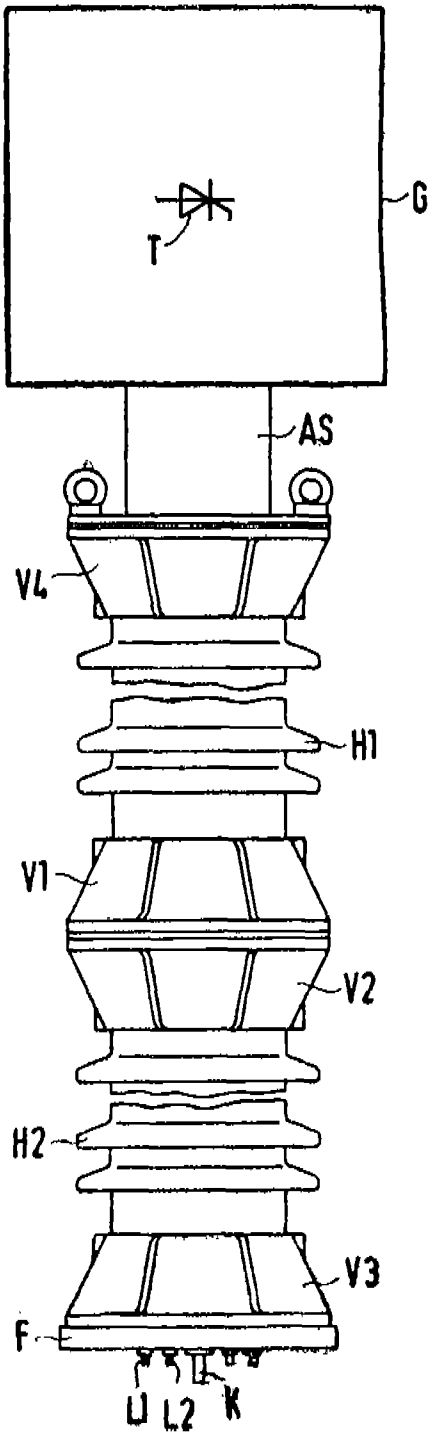
3 Claims

An electrical insulator column having at least one hermetically sealed, hollow insulator filled with an insulating material providing mechanical support and insulation from a reference potential of a high voltage carrying assembly, comprising :

at least one fiber optic cable conducted through the electrical insulator column in a hermetically sealed manner; and

a support element, providing fixed-mounted support for the fiber optic cable, fixedly mounting to the insulator column, and having a limited electrical conductivity surface enabling the support element to withstand the potential difference of being connected between the high voltage of the site of the assembly and the reference potential site, said support element having limited electrical conductivity surface being comprised of a material having a specific impedence which decreases as the electric field strength increases.

Compl. specn. 6 pages Drg. 1 sheet



CLASS : 52-A 165012.

Int. Cl. : B 29 c 1/00; B 65 h 35/00.

APPARATUS FOR PRODUCING TUBULAR FIBROUS PRODUCT AND METHOD THEREFOR.

Applicant : ISOVER SAINT-GOBAIN, OF "LES MIROIRS", 18 AVENUE D'ALSACE, 92400 COURBE-VOIE, FRANCE.

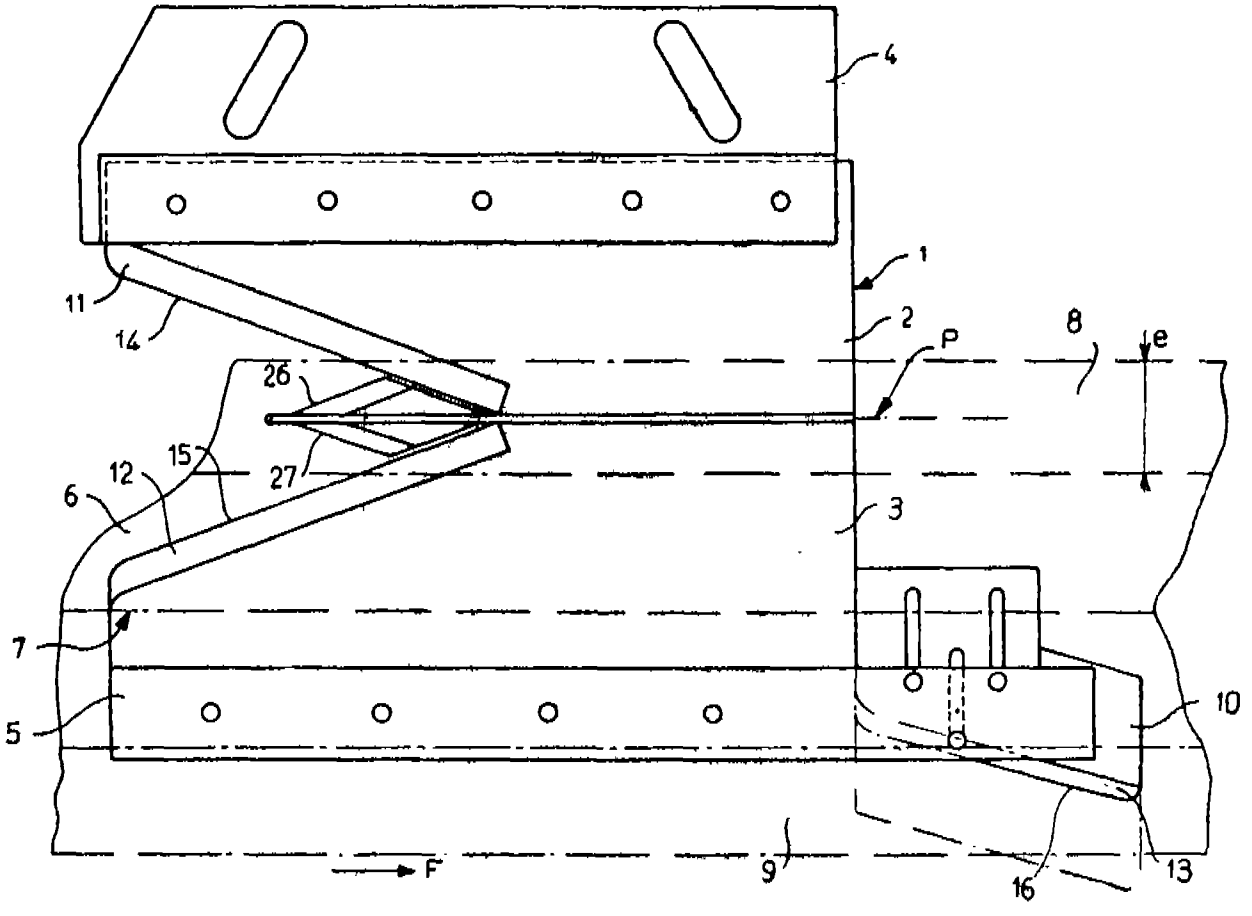
Inventors : (1) GERBER GERARD, (2) LEBLOND ANDRE.

Application No. 474/Cal/85 filed June 25, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An apparatus for forming a step-shaped profiled longitudinal split in a tubular fibrous product, particularly a fibre based cylindrical shell in which a polymerised binder is distributed, the apparatus comprising a cutting tool composed of two blades (2, 3) having a cutting part (11, 12) disposed in two substantially parallel planes situated at a small distance from each other, the said blades being assembled inter se in such a way as to define a junction plane (P), the said junction plane being disposed in the thickness of the wall to be cut and an additional blade or spur (17) situated in the extension of the said plane (P) and means of creating a relative movement between the product and the cutting tool.



Compl. specn. 17 pages Drg. 3 sheets

CLASS : 94-G 165013

Int. Cl. : B 07 b 1/08, 4/00.

VERTICAL TYPE SCREENING MACHINE FOR GRANULAR MATERIAL.

Applicant : SATAKE ENGINEERING CO. LTD., OF 19-10, UENO-I-CHOME, TAITO-KU, TOKYO, JAPAN.

Inventors : TOSHIHIKO SATAKE.

Application No. 544/Cal/85 filed July 22, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

1. A vertical type screening machine for granular material, comprising :

a housing having a peripheral wall;

a rotary drum assembly rotatably mounted within said housing, said drum assembly including a drum having a cylindrical circumferential surface and having a substantially vertical rotary axis, and a helical blade helically wound around the circumferential surface of said drum and secured thereto;

cylindrical screen means disposed between said housing and said rotary drum assembly in substantially con-

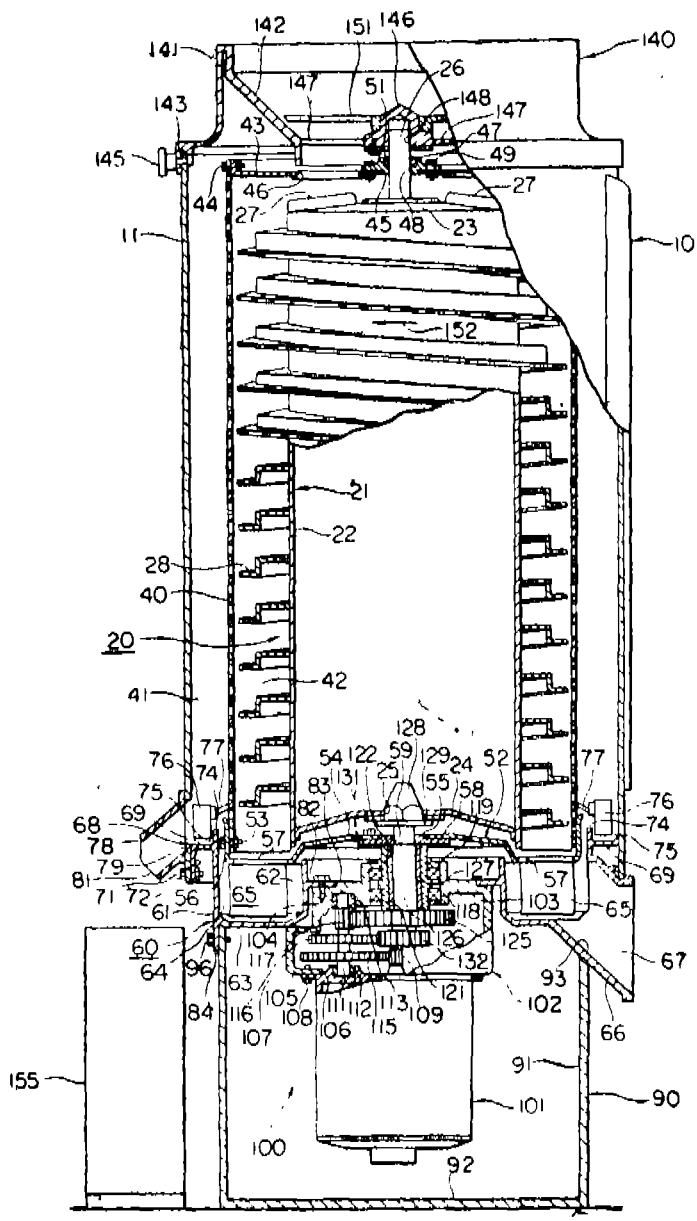
centric relation to said drum, said screen means co-operating with the peripheral wall of said housing to define therebetween a first chamber and cooperating with the cylindrical circumferential surface of said drum to define therebetween a second chamber;

means communicating with a top of said second chamber for allowing granular material to be screened to be supplied into said second chamber;

drive means drivingly connected to said rotary drum assembly for rotating the same to move the granular material supplied into said second chamber, radially outwardly toward said screen means, to hereby allow granular material having a relatively small size contained in the granular material to be screened, to be introduced into said first chamber through said screen means;

said helical blade being helically wound around the circumferential surface of said drum in such direction as to allow the granular material supplied into said second chamber to be moved toward a bottom of said second chamber due to gravity when said rotary drum assembly is rotated by said drive means and said helical blade having an upper surface thereof which is stepped so as to have at least one riser surface portion and adjacent radially outward and inward tread surface portions connected to each other in contiguous manner by said riser surface portion, in cross-section in a plane including the rotary axis of said drum, said radially outward surface portion being located below said radially inward tread surface portion;

first outlet means communicating with a bottom of said first chamber for allowing the granular material of relatively small size to be discharged out of said first chamber; and



Compl. specn. 29 pages. Drgs. 4 sheets

CLASS : 144-A, E_2 & E4; 152-E, F. 165014

Int. Cl. : C 09 d 5/08; C 23 f 11/00, 11/10.

ANTICORROSIVE COMPOSITION FOR PROTECTION OF METALS.

Applicant : INSTITUT MEKHANKI METALLOPOLIMERNYKH SISTEM AKADEMII NAUK BELORUSSKOI SSR, OF GOMEL, ULITSA KIROVA, 32 A, USSR;

(2) SPETSIALNOE KONSTRUKTORSKO-TEKHNOLOGICHESKOE BJURO ANALITI-CHESKOGO PRIBOROSTROENIA, OF GOMEL, ULITSA INTERNATIONALNAYA, 49 USSR.

Inventors :

(1) VIKTOR ANTONOVICH GOLDADE

(2) YAKOV MOISEEVICH ZOLOTOVITSKY

(3) ALEXANDER SERGEEVICH NEVEROV

(4) LEONID SEMENOVICH PINCHUK

(5) VALENTINA STEPANOVNA USS.

(6) ALEXANDR ALEXANDROVICH LVOV

(7) VIKTOR PAVLOVICH PAREALOV.

Application No. 604/Cal/85 filed August 20, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

Appropriate Office for Opposition Proceedings (Rule 4, comprising polyethylene plasticized with mineral oil such as herein described and containing an oil soluble corrosion inhibitor selected from the following classes :

(a) contact corrosion inhibitor :

a sulphonated or nitrated mineral oil, or a product of neutralization of a sulphonated or a nitrated mineral oil with an alakali or calcium hydroxide, or a product of neutralization of a sulphonated mineral oil with urea, or bottoms from distillation of synthetic or naturally-occuring fatty acids, or products of condensation of said bottoms with organic amines, or a product of condensation of an alkenylsuccinic anhydride and urea, or

(b) a volatile corrosion inhibitor :

a salt of cyclo- or dwieyelohexylamine with an or a heteroalkylated lower amine;,

or (c) a mixture of both said contact and volatile corrosion inhibitors,

The proportions of the anticorrosive material components being as follows, per cent by mass :

mineral oil 20—45

oil-solule corrosion inhibitor—2—50

Polyethylene—the blance.

Compl. Specn. 20 pages. Drg. nil.

CLASS : 167-C. 165015

Int. Cl.: B 07 b 1/00.

SCREENS FOR GRADING SIEVING OR SCREENING POWDERY MATERIALS.

Applicant : TATA-ROBINS-FRASER LIMITED, 11 STATION ROAD, BURMA MINES, JAMSHEDPUR-831 007, BIHAR, INDIA.

Inventors : DIPRODAS BANDOPADHAY.

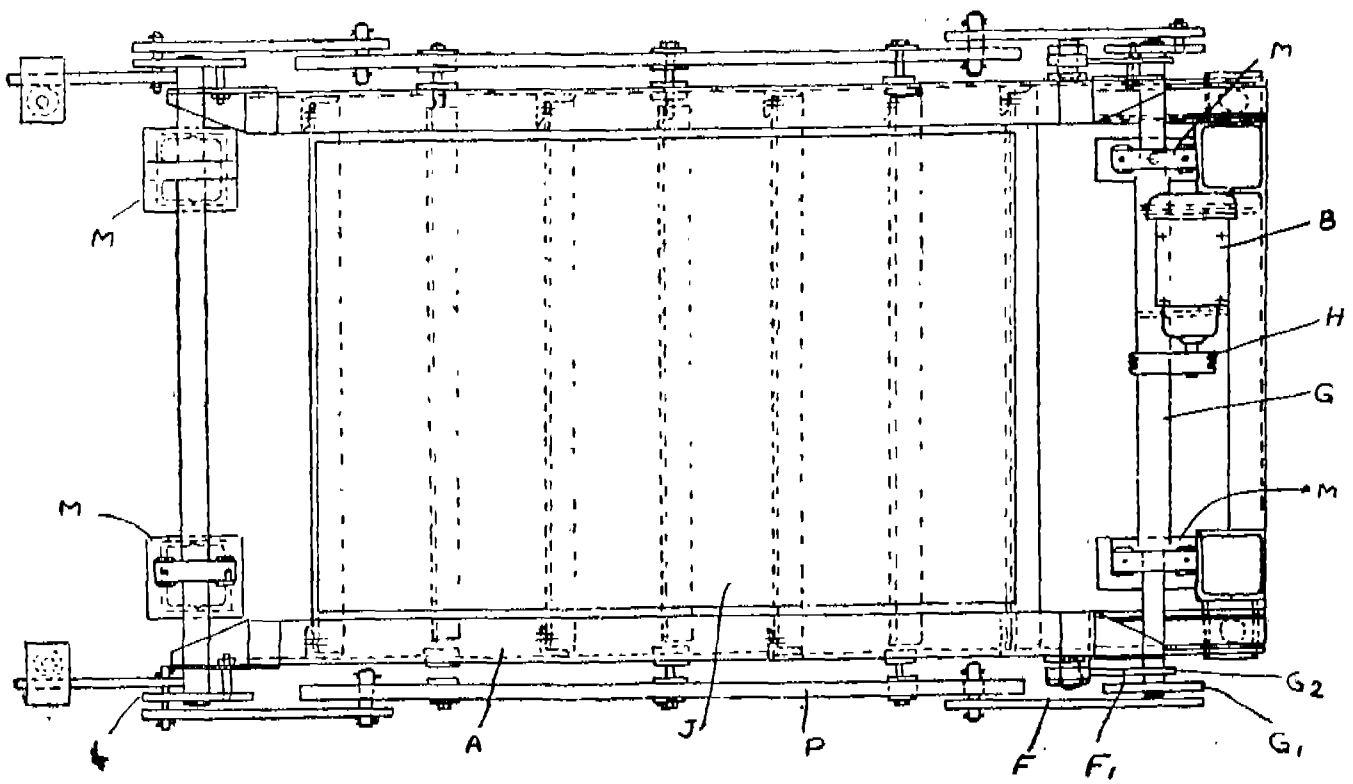
Application No. 740/Cal/85 filed October 16, 1985.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 claims

A screen for grading, sieving or screening powdered materials such as coal, ore or chemical substances comprising a plurality fo rectangular segments of polyurethane cloth secured to cross members extending between side plates, the odd numbered cross members being rigidly fixed at their ends to the said plates and the even numbred cross bars secured at their ends to a carriage and having rollers fitted at their ends, which rollers are free to move along the side plates, the side plates and the roller supported cross members being provided with driving means which reciprocate the side plates and the roller supported cross members in relatively opposite directions causing repeated looping and stretching of the segments of poly-urethane cloth, one alternate set of the said segments being looped while the other alternate set is stretched alternately.

Compl. Specn. 14 pages. Drgs. 6 sheets.



CLASS : 32-A_2 165016

Int. Cl. : C 09 b 3/74.

PROCESS FOR THE PREPARATION OF COPPER FORMAZAN COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

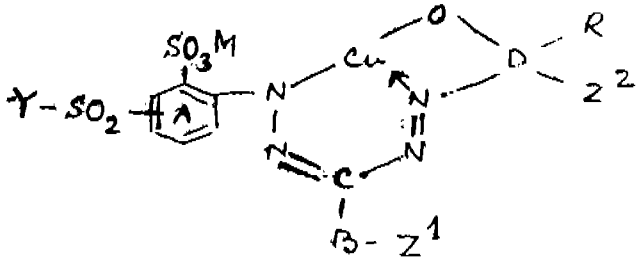
Inventors : GUNTHER SCHWAIGER.

Application No. 759/Cal/85 filed October 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

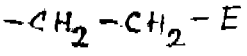
25 Claims

1. A process for preparing the compound of the formula (1) of the accompanying drawings in which :



(1)

Y is vinyl group or a group of the formula (2) in which



(2)

E represents a hydroxy group or a substituent eliminatable under alkaline conditions;
the benzene nucleus can be substituted by further substituents;

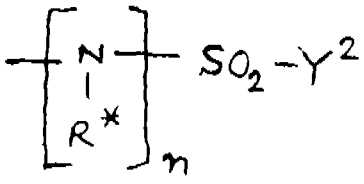
the Y-SO_2-group is bonded to the benzene nucleus in meta-position relative to the indicated -SO_3M group and in para-position relative to the nitrogen atom or in para-position relative to the indicated SO_3M group and in meta-position relative to the nitrogen atom;

M is a hydrogen atom or the equivalent of a metal;

B is a phenylene radical or a naphthylene radical which can both be substituted by further substituents, or is the radical of an optionally C_1-C_4-alkyl-, C_1-C_4-alkoxy-, chlorine-, benzyl-, phenethyl- and/or phenyl-substituted furan, thiopene, pyrrole, imidazole, pyrazole, pyridine, pyrimidine, quinoline or benzimidazole or is an alkylene group of 1 to 8 carbon atoms or an alkenylene group of 2 to 8 carbon atoms, it being possible for these alkylene and alkenylene groups to be additionally substituted by a phenyl radical which in turn can be substituted by substituents from the group consisting of methyl, ethyl, methoxy, ethoxy, fluorine, chlorine, bromine and sulfamoyl, or -B-Z^1 together represent a hydrogen atom or a carboxy, cyano or nitro group;

D is a benzene ring or a naphthalene ring to each of which the oxygen atom and the nitrogen atom are bonded in ortho-position relative to each other and which can be substituted by further substituents;

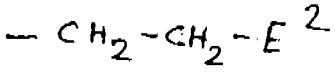
R is a hydrogen atom or a group of the formula (2a) in which



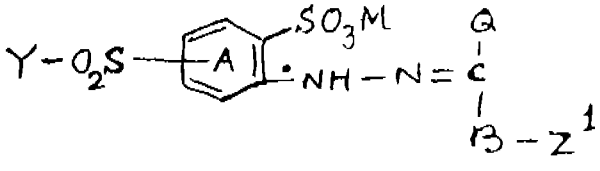
(2a)

R^* is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms which can be substituted by a hydroxy, sulfato, sulfo or carboxy group; n is number zero or 1;

Y^2 is a vinyl group or a group of the formula (2c) in which E^2 denotes a hydroxy group or a substituent eliminatable under alkaline conditions;

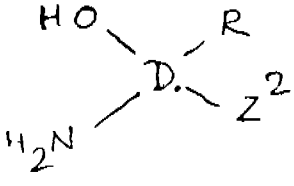


Z^1 is a hydrogen atom or a water-solubilizing group which is bonded once or twice to aliphatic or aromatic carbon atoms of B;



(6)

Z^2 is a hydrogen atom or a water-solubilizing group which is bonded once or twice to aliphatic carbon atoms of substituents on D or to aromatic carbon atoms of D;



(7)

which comprises reacting an aromatic hydrazone compound of the formula (6) in which A, B, M, Y and Z^1 have the abovementioned denotations and Q denots a hydrogen atom or a substituent replaceable by azo coupling, for example a formyl group or a carboxy group or an optionally modified group which can be hydrolyzed to a carboxy group, such as a cyano, a carbalkoxy or a carboxamide group, with the diazonium compound of an aromatic amine of the formula (7)

CLASS : 165017

Int. Cl. : H 01 j 29/48.

MULTIBEAM ELECTRON GUN HAVING A TRANSITION MEMBER AND METHOD FOR MANUFACTURING THE ELECTRON GUN.

Applicant : RCA LICENSING CORPORATION, OF 2 INDEPENDENCE WAY, P.O. BOX 2023, PRINCETON, NEW JERSEY, 08540, U.S.A.

Inventors : HARRY EDWIN MC CANDLESS.

Application No. 840/Cal/85 filed November 26, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A multibeam electron gun for a cathode-ray tube, comprising :

a plurality of cathode assemblies and at least two spaced successive electrodes having aligned apertures therethrough for passage of a plurality of electron beams;

said cathode assemblies and said electrodes being individually held in position from a common ceramic member;

said ceramic member having a first major surface and an oppositely disposed second major surface with a metallized pattern formed on at least a portion of each major surface;

said electrodes being attached to said first major surface and said cathode assemblies being attached to said second major surface;

wherein a first transition member is attached to said metallized pattern on said first major surface of said ceramic member;

said first transition member including stress reducing means; and

at least one of said electrodes is attached to said transition member.

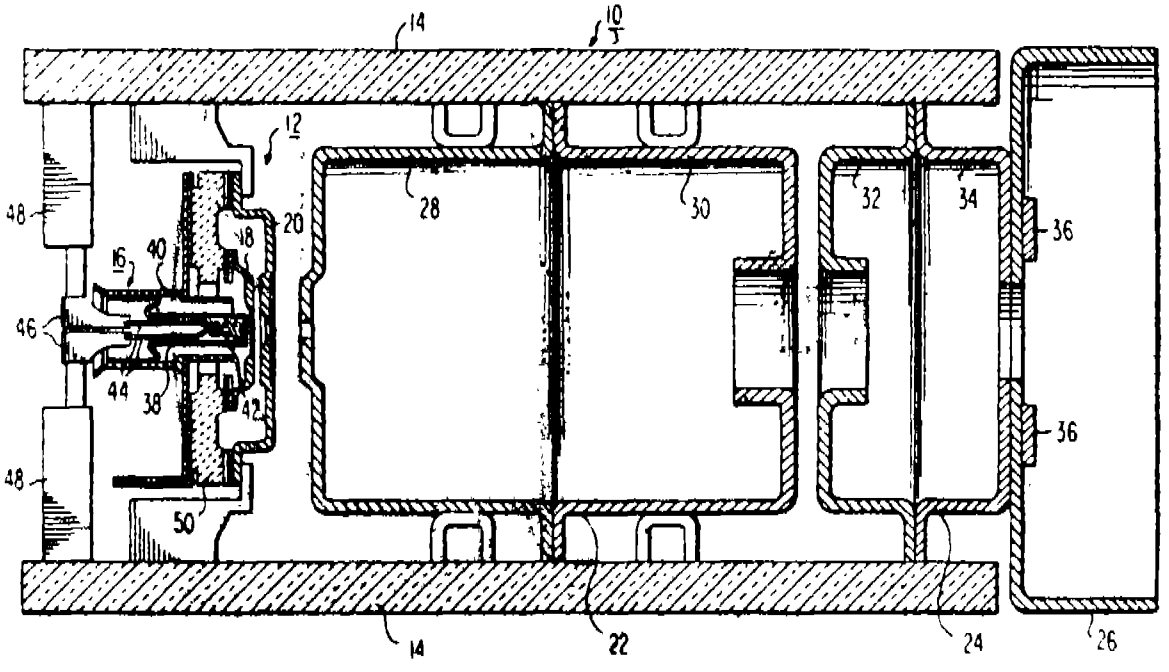


Fig. 1 Compl. specn. 19 pages Drg. 3 sheets

CLASS : 144-E$_2$ 165018

Int. Cl. : D 21 h 1/10.

AN AQUEOUS, HIGH SOLIDS CONTENT COATING FORMULATION.

Applicant : NASHUA CORPORATION, OF 44 FRANKLIN STREET, NASHUA, NEW HAMPSHIRE 03061, U.S.A.

Inventors : (1) GEORGE OLIVER LANGLAIS, (2) PAT YOUNG HER WANG, (3) JOSEPH STANLEY CHAPLICK.

Application No. 845/Cal/85 filed November 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An aqueous, high solids content coatable formulation for application to a substrate to produce a pressure-releasable color-former, said formulation comprising :

Carboxymethylcellulose	100
a salt of a polyvalent metal	4.4—12.2
a wall-forming carboxylated acrylic resin an organic cross-linker reactive with carboxymethylcellulose and said carylic resiu	50—200
	10—150
spacer particles, and	100—500
a color-forming dye dissolved in oil solvent;	300—1,000

said composition having a total non-aqueous content of at least 30% by weight and a Brookfield viscosity at 78°F of from about 50 to about 5,000 cps.

Compl. specn. 19 pages Drg. 1 sheet

CLASS : 194-C_1 165019

Int. Cl. : H 01 j 31/00.

A CATHODE RAY TUBE AND METHOD OF MAKING SAME.

Applicant : RCA LICENSING CORPORATION, OF 2 INDEPENDENCE WAY, P.O. BOX 2023 PRINCETON, NEW JERSEY, 08540, U.S.A.

Inventor : (1) SAMUEL BROUGHTON DEAL, (2) DONALD WALTER BARTCH.

Application No. 859/Cal/85 filed December 03, 1985.

Convention dated 25th April, 1985 (Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

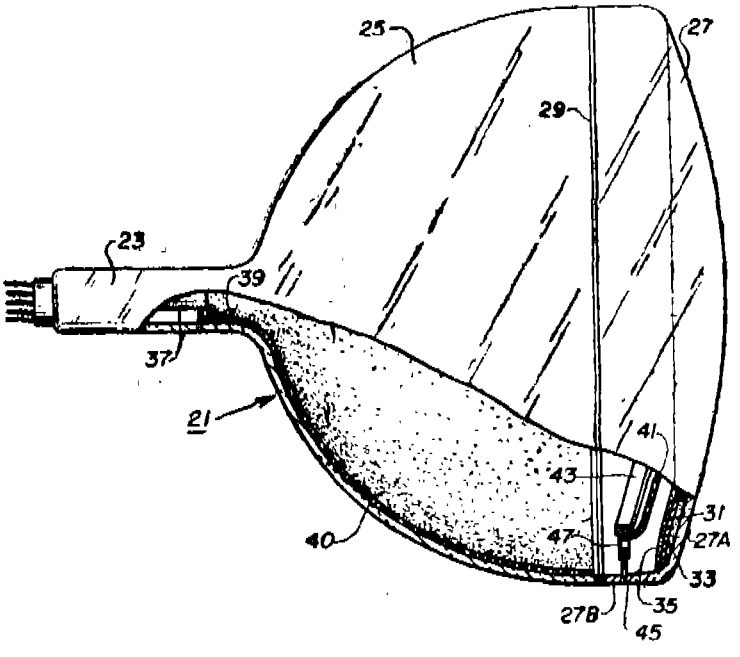
A cathode-ray tube comprising :

a screen support, a luminescent viewing screen on said support;

means for exciting said screen to luminescence with at least one election beam, a light-reflective layer of metal on said screen, and a layer of particles of graphite and/or amorphous carbon on said light-reflective layer;

Characterized in that said carbon-particle layer contains in addition preformed silica particles as a binder therefor, the weight ratio of said carbon particles to said silica particles being in the range of 0.9 to 1.1 said preformed silica particles being less than 0.1 micron in average size and substantially free from metal ion residue.

Compl. specn. 11 pages. Drg. 1 sheet



CLASS : 55-B_8, 179-F 165020

Int. Cl. : F65 d 41/50.

HYDROGEL CAPSULES COATED WITH CONTROLLED-RELEASE MEMBRANES AND METHOD OF ENAPSULATING THE MERISMATIC TISSUE IN SUCH HYDROGEL CAPSULES.

Applicant : PLANT GENETICS, INC., OF 1930 FIFTH STREET, DAVIS, CALIFORNIA 95616, U.S.A.

Inventors: (1) M. KEITH REDENBAUGH, (2) ZOLLA REYES.

Application No. 877/Cal/85 filed December 05, 1985.

Convention dated 30th January, 1985 (No. 473, 181) Canada.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A membrane coated hydrogel capsule which comprises :

a hydrogel capsule having gel matrix, such as herein described, which contains encapsulated meristematic tissue;
and

at least one substantially hydrophonic membrane coating, such as herein described, surrounding the capsule which reduces the flow of solvents and their included solutes between the capsule and its environment, thereby creating an analog to natural batanic seed having an artificial seed coal which provides the benefits of natural seed coat.

Compl. specn. 28 pages Drg. Nil

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 160582. Dewas Metal Sections Pvt. Ltd., Steel Tube Road, Dewas-45500- (M.P.), India. "Metal Section for roller and sheds and the like". December 20, 1988.

Class 1. No. 160854 & 160855. Hitech Research Centre, [a division of Dynacorp Medical Systems (P) Ltd.], C-94, Okhla Industrial Area, Phase-I, Delhi-110020, India. "Viscosity Comparator". March 30, 1989.

Class 3. No. 160552. L. V. Sham Cottage Industries, a Partnership Firm of 2292/2, Inside Gate Hakiman, Amritsar-143001, Punjab, India. "Torch". 16th December, 1988.

Class 3. No. 160577. Modi Rubber Ltd., Indian Company of Modinagar, U.P., India. "Tyre for a vehicle wheel". December 19, 1988.

Class 3. Nos. 160715 & 160716. Sunshine Cosmetics Manufacturers, a proprietory firm of 15-B, Shalimar Industrial Estate, Matunga Labour Camp, Koliwada, Matunga, Bombay-19, Maharashtra, India. "Plastic Bottle". February 14, 1989.

Class 3. No. 160811. Parasales (India), Regd., Indian Partneship Firm of B-24/2, Wazirpur Industrial Area, Delhi-52 (India). "Pencil Box". March 13, 1989.

Class 3. No. 160831. Elcon Electric Industries, a proprietory firm of Shukla Industrial Estate, Opp. Ajit Glass Jogeshwari (West), Bombay-4000102 Maharashtra, India. "Double knob electric switch with 2 pin 3 pin socket with fuse and indicator". March 17, 1989.

Class 3. No. 160954. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700017, W.B., India. "a sole for the footwear". May 3, 1989.

Class 5. Nos. 160632 & 160633. Nirma Chemical Works; a proprietory firm, Plot No. 32, Valva Industrial Estate, 1/2, Pharmaceutical Zone, Opp. Chokshi Tube, G.I.D.C. Vatva 382445, Gujarat, India. "Soap Packet". January 9, 1989.

Class 10. No. 160533. Liberty Footwear Company, Indian Partnership Firm, Liberty House, Extension, Karnal, Haryana, India. "Sole of the shoe". December 9, 1989.

R. A. ACHARYA
Controller General of Patents, Designs & Trade Marks

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